

Title (en)

Synthetic papers from heat stable fibres, pulp and binder

Title (de)

Synthetische Papiere aus hitzebeständigen Fasern, Pulpe und Bindemittel

Title (fr)

Papiers synthétiques à base de fibres, pulpe et liant thermostables

Publication

**EP 0550355 B1 19981111 (FR)**

Application

**EP 92420476 A 19921221**

Priority

FR 9116340 A 19911224

Abstract (en)

[origin: EP0550355A1] Reactivable paper and process for obtaining it. The paper consists of fibres with heat resistance  $\geq 180$  DEG C, which are bonded together by means of a fibrous binder consisting of aromatic polyester or polyamide pulp and of a chemical binder consisting of an imide polyether of an aromatic polyester or of a resin of polyimide type, with a particle size smaller than 100  $\mu$  m, a softening point of between 50 and 200 DEG C and a degree of crosslinking of between 0.025 and 0.25. The proportion of fibres by weight in the finished paper is preferably generally between 45 and 85 %, that of the fibrous binder between 5 and 20 % and that of the chemical binder between 10 and 50 %. The papers are obtained by a wet route and find wide applications as a function of the degree of advancement of the resin, for example as a dielectric.

IPC 1-7

**D21H 17/55**; **D21H 13/26**

IPC 8 full level

**D21H 13/24** (2006.01); **D21H 13/26** (2006.01); **D21H 17/53** (2006.01); **D21H 17/55** (2006.01); **D21H 17/56** (2006.01); **D21H 25/06** (2006.01); **H01B 3/52** (2006.01)

CPC (source: EP US)

**D21H 13/24** (2013.01 - EP US); **D21H 13/26** (2013.01 - EP US); **D21H 17/55** (2013.01 - EP US); **D21H 25/06** (2013.01 - EP US); **H01B 3/52** (2013.01 - EP US)

Citation (examination)

- EP 0178943 A1 19860423 - DU PONT [US]
- FR 2156452 A1 19730601 - RHONE POULENC SA
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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0550355 A1 19930707**; **EP 0550355 B1 19981111**; AT E173310 T1 19981115; CA 2086144 A1 19930625; CA 2086144 C 19990914; DE 69227576 D1 19981217; DE 69227576 T2 19990422; FI 925868 A0 19921223; FI 925868 A 19930625; FR 2685363 A1 19930625; FR 2685363 B1 19940204; JP 2740098 B2 19980415; JP H0641897 A 19940215; MX 9207512 A 19940531; NO 924977 D0 19921222; NO 924977 L 19930625; US 5431782 A 19950711

DOCDB simple family (application)

**EP 92420476 A 19921221**; AT 92420476 T 19921221; CA 2086144 A 19921223; DE 69227576 T 19921221; FI 925868 A 19921223; FR 9116340 A 19911224; JP 34475392 A 19921224; MX 9207512 A 19921223; NO 924977 A 19921222; US 16586493 A 19931214